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## TRANSACTIONS, PROCEEDINGS, AND ABSTRACTS.

1907.

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- 1:3-Dimethyl-1-dichloromethyl-4-ethylcyclohexadiene, 4-hydroxy-** (AUWERS and KÖCKRITZ, A., i, 401).
- 1:2-Dimethyl-1-dichloromethyl-4-ethylidenecyclohexadiene** (AUWERS and KÖCKRITZ, A., i, 402).
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- p*- $\beta$ -Dimethylcinnamic acid** and its methyl ester (SCHROETER, A., i, 531).
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- 4:14-Dimethyl-coeroxene-10-ol** and its acetate, and -coeroxonol and its ethers (DECKER, v. FELLEBERG, and FERRARIO, A., i, 1066).
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- 1:1-Dimethyldihydroresorcin, 4-amino-**, and its hydrochloride, platinichloride, and acetyl derivative, and the action of nitrous acid on (HAAS, T., 1443; P., 192).
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- Bixin.
- Calmatambin.
- Colocynthin.
- Datiscecin.
- Digitoxin.
- Elaterin.
- Indican.
- Jasmiflorin.
- Kaempferitrin.
- Linamarin.
- $\alpha$ - and  $\beta$ -Linarins.
- Mandelonitrile glucosides.
- $\alpha$ - and  $\beta$ -Pectolinarins.
- Periplocin.
- Phallin.
- Phaseolunatin.
- Phloridzin.
- Prulaurasin.
- Rhinanthin.
- Salicin.
- Sambunigrin.
- Saponin.
- Solanin.
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- o*-Tolidine**, constitution of (SCHULTZ, ROHDE, and VICARI), A., i, 244.  
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- Toluene**, direct oxidation of, by catalysis (WOOG), A., i, 753.
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*o*-, *m*-, and *p*-iodoxy-, molecular weights of, in formic acid (MASCARELLI and MARTINELLI), A., ii, 228.  
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*o*- and *p*-nitro-, mercury compounds from (REISSERT), A., i, 1103.  
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(*Tolyl compounds, Me=1.*)

- Toluene**, 2:4- and 2:6-nitrohydroxyl-amino-, and 2:4- and 2:6-nitronitroso- (BRAND and ZÖLLER), A., i, 755.
- Tolueneazodimethyldiphenyls**, *o*- and *p*- (EHRENPREIS), A., i, 453.
- Tolueneazo-2- and 3-hydroxy-3- and 4-toluic acids**, 5- and 6-*o*- and *p*- (PUXEDDU and MACCIONI), A., i, 798.
- Toluene-4-azo-5-hydroxytriazole** (DIMROTH and AICKELIN), A., i, 160.
- p*-Tolueneazo- $\beta$ -naphthol**, 3-chloro-5-bromo- (ORTON and REED), T., 1571.
- Tolueneazo- $\beta$ -naphthols**, chloro-, the orientation of sulphonated, and their lake-forming properties (BADISCHE ANILIN- & SODA-FABRIK), A., i, 263.
- Toluene-2-azo- $\beta$ -naphthylamine-4:5-disulphide** (FICHTER, FRÖHLICH, and JALON), A., i, 1031.
- Tolueneazophenyl benzoate** (HANTZSCH and GLOVER), A., i, 101.
- o*-Tolueneazosalicylic acid** and its acetyl derivative (GRANDMOUGIN, GUISAN, and FREIMANN), A., i, 987.
- p*-Tolueneazosalicylic acid** and *o*-nitro-, and their acetyl derivatives (GRANDMOUGIN and GUISAN), A., i, 1092.
- Toluene-4-azo-5-triazolone** and its 1-acetic acid and its amide (CURTIUS and THOMPSON), A., i, 95.
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- Toluenediazonium salts**. See Diazotoluene salts.
- Toluene-*p*-diazotrimethyl-4:6-diamino-*m*-xylene** (MORGAN and MICKLETHWAIT), T., 370.
- o*-Toluenesulphoneacetic acid** and its silver salt (FRIEDLÄNDER and CHWALA), A., i, 526.
- p*-Toluenesulphone-2-amino-2':4'-, 2':5', and -3':4'-dimethoxybenzophenones** (ULLMANN and DENZLER), A., i, 142.
- p*-Toluenesulphone-2-aminophenyl  $\alpha$ - and  $\beta$ -methoxynaphthyl ketones** (ULLMANN and DENZLER), A., i, 143.
- p*-Toluenesulphone-2-amino-2':3':4'-trimethoxybenzophenone** (ULLMANN and DENZLER), A., i, 143.
- Toluene-2-sulphonic acid**, 4-nitro-, cerous salt (MORGAN and CAHEN), A., i, 1021.
- Toluene-3-sulphonic acid**, 6-nitro-4-thiol, and its dipotassium salt and disulphide and its derivatives (FICHTER, FRÖHLICH, and JALON), A., i, 1031.
- p*-Toluenesulphonyl chloride**, electrolytic reduction of (FICHTER and BERNOULLI), A., i, 690.

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**4-Toluene-*p*-sulphonyl-4-methyl-4:6-di-amino-*m*-xylene** and its hydrochloride and acetyl and azo- $\beta$ -naphthol derivatives (MORGAN and MICKLETHWAIT), T., 364.

**Toluene-*p*-sulphonyl-6-nitro-4-amino-*m*-xylene** and its *N*-methyl derivative (MORGAN and MICKLETHWAIT), T., 363.

***o*-Toluic acid**, 4-hydroxy-, and its bromo-derivatives and their acetyl compounds, and bromoamino-, and bromonitro-derivatives (ZINCKE and FISCHER), A., i, 132.

*p*-nitro-, action of caustic alkalis and hypochlorites on (GREEN, DAVIES, and HORSFALL), T., 2081.

***m*-Toluic acid**, ultra-violet absorption spectra of (BALY), T., 846.

reactions of, and its 2-amino-, and 2-nitro-derivatives and their esters, amides, and nitriles (JÜRGENS), A., i, 1036.

***m*-Toluic acid**, ethyl ester, density, magnetic rotation, and refractive power of (PERKIN), T., 845.

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**Toluic acids**, hydroxy- (*resotol* acids), azo-derivatives of (PUXEDDU and MACCIONI), A., i, 798.

***o*-Toluidine**, acetyl derivative. See Aceto-*o*-toluidide.

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***o*-Toluidine**, 5-chloro-6-nitro- and 6-nitro-5-hydroxy-, and its diacetyl derivative (BRAND and ZÖLLER), A., i, 756.

5-iodo- (FICHTER and PHILIPP), A., i, 83.

***p*-Toluidine**, reactions of, with citraconic acid (FICHTER and TSCHUDIN), A., i, 81.

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***p*-Toluidine**, 3-chloro-5-bromo-, and its acetyl derivative (ORTON and REED), T., 1570; P., 212.

3-chloro-2-nitro- and 5-chloro-2-nitro- (BRAND and ZÖLLER), A., i, 756.

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**Toluidinoacetones**, *o*-, *m*-, and *p*- (RICHARD), A., i, 755.

***p*-Toluidinoacryl-*p*-toluidide** (WOHL and FREUND), A., i, 585.

**$\omega$ -*p*-Toluidinoamyl-*p*-tolylecyanamide** and its hydrobromide and hydrochloride (v. BRAUN), A., i, 961.

**2-*p*-Toluidino-8-naphthol-6-sulphonic acid** (BUCHERER and SEYDE), A., i, 511.

**8-*p*-Toluidino- $\alpha$ -naphthol-4-sulphonic acid** and its sodium salt (FARBEN-FABRIKEN VORM. F. BAYER & CO.), A., i, 914.

**5-Toluidino-2-phenyl-1-*o*- and -*p*-tolyl-triazoles**, *o*- and *p*- (BUSCH), A., i, 260.

**3-*o*-Toluidino-4-*o*-tolyl-5-triazolone** (BUSCH and BLUME), A., i, 261.

***p*-Tolupropionitrile**,  $\alpha$ -isonitroso- $\beta$ -nitrosoimino-, salts of (LUBLIN), A., i, 213.

**2-Toluquinoneoxime-5- and -6-semicarbazones** (BORSCHÉ and RECLAIRE), A., i, 988.

***s*-Tolusafranine** (BARBIER and SISLEY), A., i, 160.

***as*-Tolusafranine** (BARBIER and SISLEY), A., i, 161.

**Toluaposafranine** and its hydrochloride (BARBIER and SISLEY), A., i, 564.

***m*-Tolyl benzyl ether**, triiodo- (AUWERS), A., i, 1034.

***p*-Tolyl carbonate**, tetrabromo-, and 3:5-dichloro-2:6-dibromo-, and its reactions (ZINCKE and SUHL), A., i, 37.

**Tolyl chlorocarbonates**, reactions of, with thioureas (DIXON and TAYLOR), T., 921; P., 120.

***m*-Tolyl ether** and its diamino-, di- and tetra-bromo-, and dinitro-derivatives (COOK), A., i, 126.

***p*-Tolyl ethyl ether**, bromo- and 3-*mono*- and 3:5-di-chloro- (AUTENRIETH and MÜHLINGHAUS), A., i, 32.

***p*-Tolyl glycid ether** (COHN and PLOHN), A., i, 605.

**Tolyl iododichloride**, *o*-amino-, *N*-acetyl derivative, and the iodoso-compound (WILLGEPODT and HEUSNER), A., i, 1026.

***o*-Tolyl methyl ether**, *p*-nitro-, action of caustic alkalis and air on (GREEN, DAVIES, and HORSFALL), T., 2080.

***p*-Tolyl orthoformate** (AUWERS and HESSENLAND), A., i, 400.

**Tolylacetones**, *o*-, *m*-, and *p*-, and their oximes and semicarbazones (TIFFENEAU), A., i, 305.

(*Tolyl compounds, Me=1.*)

- Tolylacetoneitriles**, *o*-, *m*-, and *p*-, preparation of, and formation of methyl derivatives of 1:3-naphthylenediamine from (ATKINSON and THORPE), T., 1099; P., 216.
- p*-Tolyl *p*-aldehydobenzylidenemethyl ketone** and its phenylhydrazone (V. LENDENFELD), A., i, 222.
- Tolylamino-**. See Toluidino-.
- Tolylanthranilic acids**, *o*-, *m*-, and *p*- (ULLMANN and BADER), A., i, 843.
- Tolyl-5-azoformamide**, 2-amino- (BORSCHKE and RECLAIRE), A., i, 988.
- Tolyl-5- and -6-azoformanilides**, 2- and 3-amino- (BORSCHKE and RECLAIRE), A., i, 989.
- p*-Tolylazothioliacetic acid** and its sodium salt (FRIEDLÄNDER and CHWALA), A., i, 526.
- Tolylazo-**. See also Tolueneazo-.
- 1-*p*-Tolyl-1:2:3-benzotriazole** (BORSCHKE and FEISE), A., i, 243.
- o*-Tolylbenzylidenehydrazine**, 5-iodo- (FICHTER and PHILIPP), A., i, 83.
- p*-Tolyl- $\omega$ -bromoamylecyanamide** (V. BRAUN), A., i, 961.
- $\beta$ -*m*-Tolyl- $\Delta\beta$ -butenoic acid**,  $\gamma$ -cyano- (GUARESCHI), A., i, 1004.
- $\gamma$ -Tolylbutyric acids**, *o*-, *m*-, and *p*-,  $\beta$ -imino- $\alpha$ -cyano-, ethyl esters, and the action of cold concentrated sulphuric acid on (ATKINSON and THORPE), T., 1699; P., 216.
- m*-Tolylcyanamide** (PIERRON), A., i, 121.
- p*-Tolyl cyanomethyl ketone** (LUBLIN; V. MEYER), A., i, 214.
- Tolyldeoxyn** and its oxidation (NASTUKOFF), A., i, 413.
- 3-*p*-Tolyl-dihydroisocoumarin**, 4-bromo-4-cyano- (GYR), A., i, 417.
- 4-*o*-Tolyl-dihydrodioxatriazine**, 3:6-dihydroxy-, and its salts (JOVITSCHITSCH), A., i, 99.
- o*-Tolyl-dimethylcarbinol** (TIFFENEAU), A., i, 305.
- 1-*p*-Tolyl-3:5-dimethylpyrazole**, 4-nitroso- (SACHS and ALSLEBEN), A., i, 357.
- 7-Tolyl- $\alpha$ -N- $\alpha$ - $\beta$ -dinaphthacridines**, *o*-, *m*-, and *p*-, and their additive salts (SENIER and AUSTIN), T., 1235; P., 186.
- 4-*o*-Tolyl-dioxatriazine** and its salts and **5-carboxylic acid**, ethyl ester (JOVITSCHITSCH), A., i, 99.
- 4-*m*-Tolyl-dioxatriazine-5-carboxylic acid**, ethyl ester (JOVITSCHITSCH), A., i, 99.

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- Tolylene-3:4-diamine**, 4-*N*-acyl derivatives (FICHTER and ROSENBERGER), A., i, 85.
- Tolylene-3:5-diamine**, 2-amino-, *N*-(2)-acetyl derivative of (FARBENFABRIKEN VORM. F. BAYER & Co.), A., i, 977.
- $\beta$ -*o*-Tolylethylamine** and its salts, acetyl and *s*-thiocarbamide derivatives (BLUMENFELD), A., i, 409.
- $\beta$ -*p*-Tolylethylamine** and its salts (CIESIELSKI), A., i, 409.
- $\beta$ -Tolyl- $\alpha$ -ethylpropionic acid**,  $\beta$ -hydroxy-, synthesis of, and its salts and ethyl ester (MAZUREVITSCH), A., i, 623.
- Tolylglycine**, preparation of (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 312.
- Tolylcyclohexanes**, *m*- and *p*- (KURSA-NOFF), A., i, 600.
- Tolyl-2-hydrazine**, 5-iodo- (FICHTER and PHILIPP), A., i, 83.
- Tolylhydrazines**, *o*- and *p*-, oxidation of, by free oxygen (CHATTAWAY), T., 1330; P., 183.
- Tolylhydrazinoacetic acids**, *o*-, *m*-, and *p*-, and their benzylidene derivatives (BUSCH and MEUSSDÖRFFER), A., i, 348.
- 2-*p*-Tolylimino-3:4-diphenyl-2:3-thiazoline** (V. WALTHER and GREIFENHAGEN), A., i, 350.
- 2-Tolylimino-3:4-ditolyl-2:3-thiazolines**, *o*-, *m*-, and *p*-, and their salts (V. WALTHER and GREIFENHAGEN), A., i, 350.
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